Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

Date...../...../2022

Bill Type. *First & Final* (For Other Works) Indent: 45316

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Byatarayanapura**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Work Code: **006-20-000204**

Schedule Docket No. Head of Account: P 3445 Est.Cost: **15.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate): **Construction of RO Plant in Ward No. 06 Byatarayanapura Sub Division.**

Name of Contractor and Full Address : *Sri. S. Narayana Rao, S/o S Sadashivamurthy, No. 597/60, B Narayanappa Compound, N Nagenahalli, Bangalore-77.*

Reference to Agreement No. **BBMP/EE/BTP/ WO/190/ 2020-21** Date: **17.02.2021**

Certified that the measurements were taken by me on 12.05.2022 and recorded of Pages 425988.94 of measurement Book No. 4260/17-18 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 12/5/2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Vouch. No.....Dated.....S.D. No..... 1st & final → adjusted towards cash advance recovery of
   b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

TTB	14,57,000	00
IT	14570	00
CGST	13009	00
SGST	13009	00
CESS	14570	00
CBF	1457	00
LR	4785	00
Fine	3600	00
Ded:	65000	00
Cheque-	13,92,000	00

Total amount

Contractor's Signature

P3445

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

Signature of Contractor

Stamp

Dated

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

ಅಭಿವೃದ್ಧಿಕೆ Establishment of R.O. plant for each ward ರ
ಅಲ್ಲು ಮೊಬಲಗು ರೂ 14,57,000/-
ಇದರಲ್ಲಿ ಮೊ. 65000/-
ಮಾಡಿಕೊಂಡು ರೂ 13,92,000/-

24/05

Executive Engineer

Initials of Officer making payment

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Sl. No.	Descriptions	Qty.
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3	Cum
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Pg No.25 Item No 5.6	Cum
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Pg No.25 Item No 5.9	Cum
5	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10	Cum
6	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28	Sqm
7	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)	Cum
8	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500**	Tonne
9	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm
10	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to **ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm
11	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm
12	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm

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Original/Duplicate/Triplicate

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	24.78	319.69 132.72	7921.91 3288.80	24.78	7921.91 3288.80	
-	-	4.08	5455.06	22256.64	4.08	22256.64	
-	-	2.71	4914.04	13317.05	2.71	13317.05	
-	-	1.83	5862.42 4914.04	8992.69 10728.22	1.83	10728.22 8992.69	
-	-	24.78	214.91	5325.47	24.78	5325.47	
-	-	33.96	867.12	29447.40	33.96	29447.40	
-	-	8.74	5820.72	50873.09	8.74	50873.09	
-	-	0.70	75876.85	53113.80	0.70	53113.80	
-	-	64.13	382.77	24547.04	64.13	24547.04	
-	-	17.30	251.26	4346.80	17.30	4346.80	
-	-	37.23	271.58	10110.92	37.23	10110.92	
-	-	54.53	34.21	1865.47	54.53	1865.47	

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13	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sq
14	KSRB 15-14.1 : Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm
15	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer.	Sqm
16	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm
17	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete.	Sqm
18	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.	Sqm
19	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 **steel glazed windows and ventilators** side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete asrews, rawl plugs and teak wood gutties to R.C.C.columns on sides, R.C.C. li	Sqm
20	KSRB 7.5 : Providing and fixing **pull and push type rolling shutters** of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. **Shutter size 3mx2.8 m**. Specification No. KBS 7.10 / 7.12. **(P.No. 33, I.No. 7.5 of CSR 2018-19)**	Sqm

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-	-	42.03	261.95	11009.76	42.03	11009.76	
-	-	54.53	117.61	6413.27	54.53	6413.27	
-	-	42.03	50.25	2112.01	42.03	2112.01	
-	-	13.80	101.57	1401.67	13.80	1401.67	
-	-	12.41	1175.05	14582.37	12.41	14582.37	
-	-	4.80	1317.25	6322.80	4.80	6322.80	
-	-	0.81	4167.74	3375.87	0.81	3375.87	
-	-	5.16	2787.40	14382.98	5.16	14382.98	

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21	KSRB 7.15 : Providing, fabricating, assembling and fixing in **position aluminium partitions using aluminium sections** of mat finish or glassy finish in combination of plain grove, single grove and double grove as per requirements for the frames of overall size 63.5mm x 38.1mm. with thickness of 2mm. having section weight, plain sections 1.054kg/m, single grove thickness 1.95mm. section weight 1.094kg/m, double grove thickness 1.9mm section weight 1.094kg/m and bottom member 114.3 mm. x 44.45mm. thickness 3.18mm. weight 2.646 kg/m; aluminium louvres section of size 36.5mmx34.93mm 1.45mm. thick section weight 0.429kg/m; bottom portions provided with 12mm. thick prelaminated sheet both sides of approved colour lamination exterior grade upto 0.9m height, spacing of vertical member not exceeding 0.6 m. c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and rivetted to the frames; the assembled frame stiffened with corner angles, stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C.columns on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistelling and making good with cement mortar to match the surface; providing and fixing 5.5mm. thick plain glass for middle portion viz., 0.9m. to 2.13 m. and top panel with louvres sections; the glass [illegible]	Sqm
22	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 6, I.NO - 2.3, PWD SR 18-19)	Cum
23	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 18-19)	Mtr
24	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 7, I.NO - 2.11, PWD SR 18-19)	Cum
25	10000 LPD R.O. Plant RAW WATER PUMP:Quantity : 1No.Type: Centrifugal Mono Block MOC & Make : UKL Motor Rating : 0.75 HP, PRESSURE SAND FILTER: Quantity : 1No., Capacity : 1000 LPH , MOC & Make of Housing : UKL, MOC & Make of Cartridge : UKL, Capcity : 100 LPH, MOC & Make of Vessel : UKL, Diameter : 40 mm, Type of Valve : Single Multiport, media : Support bed + Sand, MICRON CARTRIDGE FILTER :, Quantity : 1 Set., Filter Rating : 5 Microns, Size : 20 " Long, ANTISCALANT DOSING PUMPS:Quanity : 1 Set, Type : Electro - magnetic, Capacity : 1.5 LPH @ 4 Bar, HIGH PRESSURE PUMP:Quantity : 1 No, Capacity : 1700 LPH,Type of Pump : Vertical Multistage Centrigugal Pump, MOC : SS 304, Motor Rating : 2 HP, 3 Phase, Maximum Pressure : 12 Kg/ cm2, Make : UKL, RESERVE OSMOSIS SYSTEM : Quantity : 1 No, Capacity : 1000 LPH Module Type, Membrane Specifications {Polyamde}, Make of Membrane : UKL, UV STERILISER, Max. Treatment Flow : 1 m3/hr, No. of Lamps : 1 No, Wattage : 39 W, Efficiency : 99.99%, Material of Construction : SS 304, PRODUCT WATER QUALITY: Appearance : Crystal Clear, Abide by the ISO Standards, S S Tank : 304 Grade with 16 guage 2000 liters Capacity 304 Grade 10 Gauage SS Pipe {with stream valve} 25 Ft, COIN BOOTH DISPENSING UNIT: for 5 Liters & 20 Ltrs Seperately, Raw Water Storage Tank : Duration for Storage of Raw Water, Type / MOC : Two / Three	Nos
26	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch etc., complete and as per the directions of the Engineer-in-charge of the work	Point
27	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch	Point
28	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood,	Each
29	(1.6.1) 12"x12"x3" (300x300x76mm)	Each
30	(1.6.3)10"x7"x3" (254x178x76mm)	Each
31	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws etc., complete and as per the directions of the Engineer-in-charge of the work	SqCM

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-	-	6.30	3596.79	22659.78	6.30	22659.78	
-	-	8.10	319.69	2589.49	8.10	2589.49	
-	-	29.90	397.74	11892.43	29.90	11892.43	
-	-	8.10	129.37	1047.90	8.10	1047.90	
-	-	1	936540.00	936540.00	1.00	936540.00	
-	-	6	242.55 245.00 359.37	1455.30 1470.00 2156.22	6.00	1455.30 1470.00 2156.22	
-	-	6	363.00	2178.00	6.00	2178.00	
-	-	30	67.32	2019.60	30.00	2019.60	
-	-	4	114.84	459.36	4.00	459.36	
-	-	4	86.13	344.52	4.00	344.52	
-	-	3510.00	0.25	877.50	3510.00	877.50	

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32	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall etc., complete and as per the directions of the Engineer-in-charge of the work	M
33	Supplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
34	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps etc., complete and as per the directions of the Engineer-in-charge of the work	Each
35	Supplying patti type fluorescent tube light fitting of 2' - suitable for 14 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp etc., complete and as per the directions of the Engineer-in-charge of the work	Each
36	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 1.5 sqmm etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
37	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 60/100 watts 230V GLS lamp etc., complete and as per the directions of the Engineer-in-charge of the work	Each
38	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia etc., complete and as per the directions of the Engineer-in-charge of the work	No
39	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
40	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
41	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete For Cutting Road Surface etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
42	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV 40mm dia GI pipe etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr
43	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers 16Sqmm etc etc., complete and as per the directions of the Engineer-in-charge of the work	No.
	BESCOM Deposit	
	Deposit Charges (Recepts Enclosed)	
	Meter Purchase (Recepts Enclosed)	
	Grand Total	
	12% GST	
	Net Total	

CERTIFICATE

I. Certified that the above work done satisfactory and no materials issued from departmentally.

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-	-	20.00	20.79	415.80	20.00	415.80	
-	-	20.00	55.44	1108.80	20.00	1108.80	
-	-	4	87.12	348.48	4.00	348.48	
-	-	4	585.09	2340.36	4.00	2340.36	
-	-	15.00	18.41	276.15	15.00	276.15	
-	-	8	739.53	5916.24	8.00	5916.24	
-	-	1	2699.73	2699.73	1.00	2699.73	
-	-	25.00	139.00	3475.00	25.00	3475.00	
-	-	25.00	10.69	267.25	25.00	267.25	
-	-	20.00	84.15	1683.00	20.00	1683.00	
-	-	4.00	341.55	1366.20	4.00	1366.20	
-	-	1.00	277.20	277.20	1.00	277.20	
			8270.00	8270.00		8270.00	
		1.00	8648.00	8648.00	1.00	8648.00	
		1.00	1730.00	1730.00	1.00	1730.00	
				1299717.00		**1299717.00**	13056785
				155966.00		**155966.00**	152182.09
				1455683.00		**1455683.00**	1457852.94

Round o/f 14,57,000.00

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